



**Fig. S1. Upregulation of P2Y12R in the NTG group in the TNC was inhibited by clopidogrel administration.** **a** Representative immunofluorescence images of P2Y12R in the TNC shows changes of P2Y12R after NTG and clopidogrel administration. **b-c** Quantitative analysis of the number of P2Y12R immunoreactive (ir) cells (**b**) and P2Y12R immunoreactivity (**c**) in the TNC. Both the number of P2Y12R ir cells and P2Y12R immunoreactivity in the NTG group were increased compared with the sham group. Clopidogrel (15 mg/kg) treatment significantly reversed the

upregulation of P2Y<sub>12</sub>R in the TNC. Data are represented as mean  $\pm$  SEM, n=6 per group, \*\*p<0.01 and \*\*\*p<0.001 compared with sham group, ##p<0.01 and ###p<0.001 compared with NTG group. Scale bar: 20  $\mu$ m.